

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of claims:

1. (currently amended) A system for generating a multi-tier application for deployment on ~~a predetermined combination of selected components~~ selected platforms, said multi-tier application having a plurality of sub-applications each representing a tier, each sub-application having at least one component, said components being deployable on at least one of said selected platforms, the system comprising:

- a) an abstract notation description file ~~to contain~~ containing a description of said multi-tier application to define a predetermined combination of said components of said multi-tier application, each tier having at least one component selected for said combination;
- b) an editor for entering a selected set of input parameters into said description file; and
- c) an application generator for transforming the ~~application file from the abstract notation to at least one of a plurality of selected platform notations for utilization by respective ones of the selected components~~ description file based on said selected set of input parameters from abstract notation to platform notations, each one of said selected components being represented in one of said platform notations for executing said component on a platform of said selected platforms;

wherein the deployment of the multi-tier application ~~to respective selected components~~ facilitates the communication of data between ~~the selected components~~ deployed on neighboring tiers.

2. (currently amended) The system according to claim 1, wherein at least two of the ~~selected components utilize~~ platforms are different platforms.

3. (currently amended) The system according to claim 2 wherein the description file includes platform indicators in the description, said description being capable of representing

Appl. No. 09/879,186

Amdt. Dated: March 3, 2005

Reply to Office Action of: December 3, 2004

Page 3

multiple ~~applications of~~ versions of said multi-tier application deployable on different platforms corresponding to the selected components specified by said platform indicators.

4. (currently amended) A method for generating an a multi-tier application for deployment on a predetermined combination of components selected from a multi-tier environment selected platforms, said multi-tier application having a plurality of sub-applications each representing a tier, each sub-application having at least one component, said components being deployable on at least one of said selected platforms, the method comprising the steps of:

- a) providing a description of said multi-tier application in an abstract notation description file, said description defining a predetermined combination of said components of said multi-tier application, each tier having at least one component selected for said combination;
- b) selecting input parameters for said multi-tier application;
- c) inputting the input parameters into said abstract notation description file;
- d) transforming the description file based on said input parameters from the abstract notation to at least one of a plurality of notations of selected platforms utilized by the selected components platform notations, each one of said selected components being represented in one of said platform notations for executing said component on a platform of said selected platforms; and
- e) generating an said multi-tier application containing from the platform notation notations;

wherein upon deployment of the multi-tier application to respective ones of said selected components platforms facilitates the communication of component data between the selected components deployed on neighboring tiers.

5. (currently amended) A computer program product for generating an application ~~module~~ for deployment on ~~a predetermined combination of selected~~ platforms, said application having a plurality of components each deployable on at least one of said selected platforms, the product comprising;

- a) a computer readable medium;

Appl. No. 09/879,186

Amdt. Dated: March 3, 2005

Reply to Office Action of: December 3, 2004

Page 4

- b) an abstract notation description module stored on said computer readable medium for containing a description of the application module to define a predetermined combination of selected components of said application;
- c) an editor module coupled to the description module for entering a selected set of input parameters into the description file;
- d) an application generator module coupled to said description module for transforming the the abstract notation description file to ~~a plurality of~~ multiple selected platform notation ~~corresponding to the~~ files based on said selected set of input parameters, said platform notation files each representing one of the selected components; and
- e) ~~the~~ an application module coupled to the application generator module for receiving the multiple selected platform notation files;

wherein said program product generates the selected platform notation files for deployment of the application to the selected ~~components,~~ platforms,

6. (currently amended) A system for generation of a multi-tier application ~~for deployment on~~ said multi-tier application having a predetermined combination of ~~selected~~ components ~~having different~~ deployable on selected platforms, the system comprising:

- a) an abstract notation description file to contain a description of the multi-tier application, the description file being capable of representing multiple sub-applications ~~of different platforms~~ deployable on said selected platforms, each said sub-application representing a tier and including at least one component selected from said predetermined combination of components;
- b) an editor for entering a selected set of input parameters into the description file; and
- c) an application generator for transforming the description file from the abstract notation to a plurality of selected platform notations, said platform notations each including respective platform indicators[, the] to specify platforms for each selected notations components and representing different said selected components deployable on respective specified platforms ~~generated by the~~ application ;

Appl. No. 09/879,186

Page 5

Amdt. Dated: March 3, 2005

Reply to Office Action of: December 3, 2004

wherein the application ~~may be deployed~~ is deployable as a series of ~~the sub-applications on corresponding tiers containing the~~ said selected components ~~to facilitate on their respective tiers for execution on their respective said specified platforms and the deployment of the application facilitates~~ the communication of component data between ~~the selected components deployed on neighboring tiers.~~

7. (new) The system according to claim 1 wherein at least one of said plurality of tiers has more than one component selected and said communication of data defines multiple co-existing data paths, said multiple data paths each linking different components deployed on neighboring tiers.